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? b 410
       05jul10 08:11:26 User208760 Session D3198.1
            $0.58 0.154 DialUnits File1
     $0.58 Estimated cost File1
     $0.02 TELNET
     $0.60 Estimated cost this search
     $0.60 Estimated total session cost 0.154 DialUnits
File 410: The Chronolog 1991-2010/ Mar
       (c) 2010 Dialog. All rights reserved.
      Set Items Description
      ___ ____
? set hi ;set hi
HILIGHT set on as ''
HILIGHT set on as ''
? begin 5,73,155,399
       05jul10 08:11:35 User208760 Session D3198.2
            $0.00 0.115 DialUnits File410
     $0.00 Estimated cost File410
     $0.05 TELNET
     $0.05 Estimated cost this search
     $0.65 Estimated total session cost 0.269 DialUnits
SYSTEM:OS - DIALOG OneSearch
  File 5:Biosis Previews(R) 1926-2010/Jul W1
         (c) 2010 The Thomson Corporation
  File 73:EMBASE 1974-2010/Jul 05
        (c) 2010 Elsevier B.V.
*File 73: The archive of Medline derived records was added to Embase.
  File 155:MEDLINE(R) 1950-2010/Jul 02
         (c) format only 2010 Dialog
*File 155: Medline has been reloaded. Please see HELP NEWS154
for information.
  File 399:CA SEARCH(R) 1967-2010/UD=15302
         (c) 2010 American Chemical Society
*File 399: Use is subject to the terms of your user/customer agreement.
IPCR/8 classification codes now searchable as IC=. See HELP NEWSIPCR.
      Set Items Description
? e au=deisseroth albert ?
Ref Items Index-term
        2 AU=DEISSEROTH AB
E.1
         61 AU=DEISSEROTH ALBERT
E2
         0 *AU=DEISSEROTH ALBERT ?
E3
        103 AU=DEISSEROTH ALBERT B
E4
        38 AU=DEISSEROTH K
E5
        61 AU=DEISSEROTH K.
E6
        101 AU=DEISSEROTH KARL
E7
        101 AU=DEISSEROTH KARL

1 AU=DEISSEROTH WENDY

13 AU=DEISSEROTH, A.

6 AU=DEISSEROTH, A. B.

1 AU=DEISSEROTH, AL
Ε8
E9
E10
E11
E12
         66 AU=DEISSEROTH, ALBERT
         Enter P or PAGE for more
? s e1-e4
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2 AU=DEISSEROTH AB

ost is in DialUnits

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61 AU=DEISSEROTH ALBERT
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            166 E1-E4
      S1
? e au=zhang lixin ?
Ref
     Items Index-term
E1
         3 AU=ZHANG LIXIAO
Ε2
        269 AU=ZHANG LIXIN
Е3
         0 *AU=ZHANG LIXIN ?
E4
          2 AU=ZHANG LIXIN LILLY
E5
         1 AU=ZHANG LIXIN ZHU LIPING
Ε6
        10 AU=ZHANG LIXING
Ε7
         1 AU=ZHANG LIXING KAN GUANQING
Ε8
         4 AU=ZHANG LIXIONG
E9
         1 AU=ZHANG LIXUAN
        22 AU=ZHANG LIXUE
E10
E11
        12 AU=ZHANG LIXUN
E12
         4 AU=ZHANG LIYA
         Enter P or PAGE for more
? s e2
            269 AU='ZHANG LIXIN'
? s (S1 or s2) and (adenoviral or adenovirus)(20n)(vector?) and (Cd40L or cd154 or
cd40(w)ligand)
             166 S1
             269
           42047 ADENOVIRAL
          136081 ADENOVIRUS
          694836 VECTOR?
           48856 (ADENOVIRAL OR ADENOVIRUS) (20N) VECTOR?
           10347 CD40L
            4611 CD154
           42860 CD40
          661511 LIGAND
          19956 CD40(W)LIGAND
      S3
             12 (S1 OR S2) AND (ADENOVIRAL OR ADENOVIRUS) (20N) (VECTOR?)
                  AND (CD40L OR CD154 OR CD40(W)LIGAND)
? rd s3
             10 RD S3 (unique items)
      S4
? t s4/3/all
          (Item 1 from file: 5)
DIALOG(R) File 5: Biosis Previews(R)
(c) 2010 The Thomson Corporation. All rts. reserv.
            BIOSIS NO.: 200900617039
Use of CD40L immunoconjugates to overcome the defective immune
  response to vaccines for infections and cancer in the aged
AUTHOR: Tang Yu Cheng; Thoman Marilyn; Linton Phyllis-Jean; Deisseroth
  Albert (Reprint)
AUTHOR ADDRESS: US FDA, Off Oncol Drug Prod, 10903 New Hampshire Ave, Bldg
  22, Room 6378, Silver Spring, MD 20993 USA**USA
AUTHOR E-MAIL ADDRESS: albert.deisseroth@yahoo.com
JOURNAL: Cancer Immunology Immunotherapy 58 (12): p1949-1957 DEC 2009 2009
ITEM IDENTIFIER: doi:10.1007/s00262-009-0718-3
ISSN: 0340-7004
DOCUMENT TYPE: Article; Literature Review
RECORD TYPE: Abstract
LANGUAGE: English
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4/3/2
           (Item 2 from file: 5)
DIALOG(R)File
               5:Biosis Previews(R)
(c) 2010 The Thomson Corporation. All rts. reserv.
            BIOSIS NO.: 200900257065
0020916731
TAA/ecdCD40L VPP Vaccination Induces Robust Adaptive Immune Response Even
  in Individuals with Post Transplantation Lymphopenia
AUTHOR: Tang Yucheng (Reprint); Park Yeon Hee; Maynard Jonathan; Li
  Pingchuan; Akbulut Hakan; Petersen Line; Deisseroth Albert B
AUTHOR ADDRESS: Sidney Kimmel Canc Ctr, San Diego, CA USA**USA
JOURNAL: Blood 112 (11): p141-142 NOV 16 2008 2008
CONFERENCE/MEETING: 50th Annual Meeting of the American-
Society-of-Hematology San Francisco, CA, USA December 06 -09, 2008;
20081206
SPONSOR: Amer Soc Hematol
ISSN: 0006-4971
DOCUMENT TYPE: Meeting; Meeting Abstract
RECORD TYPE: Abstract
LANGUAGE: English
           (Item 3 from file: 5)
 4/3/3
DIALOG(R)File
              5:Biosis Previews(R)
(c) 2010 The Thomson Corporation. All rts. reserv.
0019615830
           BIOSIS NO.: 200700275571
Subcutaneous injection of the Ad-sig-TAA/ecdCD40L adenoviral
  vector encoding a CD40ligand/tumor associated antigen secretory
  protein generates T cell dependent cellular immunity against tumor cell
  lines for up to one year.
AUTHOR: Tang Yucheng (Reprint); Zhang Lixin; Yuan Jing; Akbulut Hakan
  ; Maynard Jonathan; Linton Phyllis-Jean; Deisseroth Albert B
AUTHOR ADDRESS: Sidney Kimmel Canc Ctr, San Diego, CA USA**USA
JOURNAL: Proceedings of the American Association for Cancer Research Annual
Meeting 45 (Suppl. S): p282-283 MAR 2004 2004
CONFERENCE/MEETING: 95th Annual Meeting of the
American-Association-for-Cancer-Research Orlando, FL, USA March 27 -31,
2004; 20040327
SPONSOR: Amer Assoc Canc Res
ISSN: 0197-016X
DOCUMENT TYPE: Meeting; Meeting Abstract
RECORD TYPE: Citation
LANGUAGE: English
           (Item 4 from file: 5)
DIALOG(R)File 5:Biosis Previews(R)
(c) 2010 The Thomson Corporation. All rts. reserv.
          BIOSIS NO.: 200600133941
Vector prime-protein boost vaccine induces immune response against
  "self-antigens" associated with epithelial neoplasms and tumor vascular
  endothelial cells.
AUTHOR: Tang Yucheng (Reprint); Maynard Jonathan; Akbulut Hakan; Linton
  Phyllis-Jean; Deisseroth Albert B
AUTHOR ADDRESS: Sidney Kimmel Canc Ctr, Gene Therapy Program, San Diego, CA
  USA**USA
JOURNAL: Blood 106 (11, Part 2): p471B-472B NOV 16 2005 2005
CONFERENCE/MEETING: 47th Annual Meeting of the
American-Society-of-Hematology Atlanta, GA, USA December 10 -13, 2005;
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20051210
SPONSOR: Amer Soc Hematol
ISSN: 0006-4971
DOCUMENT TYPE: Meeting; Meeting Abstract
RECORD TYPE: Abstract
LANGUAGE: English
 4/3/5
           (Item 5 from file: 5)
DIALOG(R) File
               5:Biosis Previews(R)
(c) 2010 The Thomson Corporation. All rts. reserv.
18415151 BIOSIS NO.: 200510109651
Adenoviral vectors for targeting of cancer cells
AUTHOR: Deisseroth Albert (Reprint); Tang Yucheng; Liu Yanzheng;
  Akbulut Hakan; Maynard Jonathan; Zhang Lixin; Linton Phyllis- Jean
AUTHOR ADDRESS: Sidney Kimmel Canc Ctr, San Diego, CA USA**USA
JOURNAL: Cancer Gene Therapy 11 (12): p847 DEC 04 2004
CONFERENCE/MEETING: Meeting of the
International-Society-for-Cancer-Gene-Therapy February 20 -22, 2004;
20040220
SPONSOR: Int Soc Cancer Gene Therapy
ISSN: 0929-1903
DOCUMENT TYPE: Meeting; Meeting Abstract
RECORD TYPE: Citation
LANGUAGE: English
 4/3/6
           (Item 6 from file: 5)
DIALOG(R)File 5:Biosis Previews(R)
(c) 2010 The Thomson Corporation. All rts. reserv.
         BIOSIS NO.: 200400148073
17781412
An adenoviral vector cancer vaccine that delivers a tumor
  associated antigen/CD40-ligand fusion protein to dendritic
  cells in vivo and thereby breaks tolerance to tumor associated self
AUTHOR: Tang Yucheng (Reprint); Zhang Lixin (Reprint); Akbulut Hakan
  (Reprint); Litton Phyllis-Jean (Reprint); Deisseroth Albert B
  (Reprint)
AUTHOR ADDRESS: Genetic Therapy Program, Sidney Kimmel Cancer Center, San
  Diego, CA, USA**USA
JOURNAL: Blood 102 (11): p745a November 16, 2003 2003
MEDIUM: print
CONFERENCE/MEETING: 45th Annual Meeting of the American Society of
Hematology San Diego, CA, USA December 06-09, 2003; 20031206
SPONSOR: American Society of Hematology
ISSN: 0006-4971
DOCUMENT TYPE: Meeting; Meeting Poster; Meeting Abstract
RECORD TYPE: Abstract
LANGUAGE: English
           (Item 7 from file: 5)
DIALOG(R) File
               5:Biosis Previews(R)
(c) 2010 The Thomson Corporation. All rts. reserv.
17721687 BIOSIS NO.: 200400090456
An adenoviral vector cancer vaccine that delivers a
 tumor-associated antigen/CD40-ligand fusion protein to
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dendritic cells.

AUTHOR: Zhang Lixin; Tang Yucheng; Akbulut Hakan; Zelterman Daniel; Linton Phyllis-Jean; Deisseroth Albert B (Reprint) AUTHOR ADDRESS: Sidney Kimmel Cancer Center, San Diego, CA, 92121, USA**USA AUTHOR E-MAIL ADDRESS: adeisseroth@skcc.org JOURNAL: Proceedings of the National Academy of Sciences of the United States of America 100 (25): p15101-15106 December 9, 2003 2003 MEDIUM: print ISSN: 0027-8424 _(ISSN print) DOCUMENT TYPE: Article RECORD TYPE: Abstract LANGUAGE: English 4/3/8 (Item 8 from file: 5) DIALOG(R)File 5:Biosis Previews(R) (c) 2010 The Thomson Corporation. All rts. reserv. BIOSIS NO.: 200300487992 Injection of adenoviral vector encoding a secretable form of the E7/CD40 ligand generates immunoresistance to E7 positive cell lines for over 1 year. AUTHOR: Tang Yucheng (Reprint); Zhang Lixin (Reprint); Maynard Jonathan (Reprint); Deisseroth Albert (Reprint) AUTHOR ADDRESS: Sidney Kimmel Cancer Center, San Diego, CA, USA**USA JOURNAL: Proceedings of the American Association for Cancer Research Annual Meeting 44 p589 July 2003 2003 MEDIUM: print CONFERENCE/MEETING: 94th Annual Meeting of the American Association for Cancer Research Washington, DC, USA July 11-14, 2003; 20030711 ISSN: 0197-016X DOCUMENT TYPE: Meeting; Meeting Abstract RECORD TYPE: Citation LANGUAGE: English 4/3/9 (Item 1 from file: 155) DIALOG(R) File 155: MEDLINE(R) (c) format only 2010 Dialog. All rts. reserv. 17402648 PMID: 16928818 Antitumor immune response induced by i.t. injection of vector-activated dendritic cells and chemotherapy suppresses metastatic breast cancer. Akbulut Hakan; Tang Yucheng; Akbulut K Gonca; Maynard Jonathan; Zhang Lixin; Deisseroth Albert Sidney Kimmel Cancer Center, 10835 Road to the Cure, San Diego, CA 92121, USA. Molecular cancer therapeutics (United States) Aug 2006, p1975-85, ISSN 1535-7163--Print 1535-7163--Linking Journal Code: 101132535 Publishing Model Print Document type: Comparative Study; Journal Article; Research Support, Non-U.S. Gov't; Research Support, U.S. Gov't, Non-P.H.S. Languages: ENGLISH Main Citation Owner: NLM Record type: MEDLINE; Completed 4/3/10 (Item 2 from file: 155)

DIALOG(R)File 155:MEDLINE(R)

(c) format only 2010 Dialog. All rts. reserv.

```
16204250 PMID: 15238426
  Multistep process through which adenoviral vector vaccine
overcomes anergy to tumor-associated antigens.
  Tang Yucheng; Zhang Lixin; Yuan Jing; Akbulut Hakan; Maynard
Jonathan; Linton Phyllis-Jean; Deisseroth Albert
  Sidney Kimmel Cancer Center, 10835 Altman Row, San Diego, CA 92121, USA.
 Blood (United States) Nov 1 2004, 104 (9) p2704-13, ISSN 0006-4971
--Print 0006-4971--Linking Journal Code: 7603509
 Publishing Model Print-Electronic
  Document type: Journal Article; Research Support, Non-U.S. Gov't;
Research Support, U.S. Gov't, Non-P.H.S.
  Languages: ENGLISH
 Main Citation Owner: NLM
 Record type: MEDLINE; Completed
? s (adenoviral or adenovirus) (20n) (vector?) (20n) (Cd40L or cd154 or cd40(w)ligand)
          42047 ADENOVIRAL
          136081 ADENOVIRUS
          694836 VECTOR?
          10347 CD40L
            4611 CD154
           42860 CD40
          661511 LIGAND
           19956 CD40(W)LIGAND
             379
                 (ADENOVIRAL OR ADENOVIRUS) (20N) (VECTOR?) (20N) (CD40L OR
                 CD154 OR CD40(W)LIGAND)
? s (adenoviral or adenovirus) (20n) (vector?) (20n) (Cd40L or cd154 or
cd40(w)ligand)(20n)(secret?)
           42047 ADENOVIRAL
          136081 ADENOVIRUS
          694836 VECTOR?
           10347 CD40L
            4611 CD154
           42860 CD40
          661511 LIGAND
           19956 CD40(W)LIGAND
         1567357 SECRET?
      S6
             29 (ADENOVIRAL OR ADENOVIRUS) (20N) (VECTOR?) (20N) (CD40L OR
                 CD154 OR CD40(W)LIGAND)(20N)(SECRET?)
? rd s6
             15 RD S6 (unique items)
      S7
? t s7/3/all
          (Item 1 from file: 5)
DIALOG(R) File 5: Biosis Previews(R)
(c) 2010 The Thomson Corporation. All rts. reserv.
           BIOSIS NO.: 200900372691
Generation of Human Dendritic Cells That Simultaneously Secrete IL-12 and
  Have Migratory Capacity by Adenoviral Gene Transfer of hCD40L in
  Combination With IFN-gamma
AUTHOR: Knippertz Ilka; Hesse Andrea; Schunder Tania; Kaempgen Eckhart;
  Brenner Malcobn K; Schuler Gerold; Steinkasserer Alexander; Nettelbeck
  Dirk M (Reprint)
AUTHOR ADDRESS: Univ Heidelberg Hosp, German Canc Res Ctr, Helmholtz Univ
  Grp Oncolyt Adenoviruses, Neuenheimer Feld 242, D-69221 Heidelberg,
  Germany * * Germany
AUTHOR E-MAIL ADDRESS: d.nettelbeck@dkfz-heidelberg.de
JOURNAL: Journal of Immunotherapy 32 (5): p524-538 JUN 2009 2009
ISSN: 1524-9557
DOCUMENT TYPE: Article
RECORD TYPE: Abstract
```

AUTHOR ADDRESS: Univ Pittsburgh, Sch Med, Dept Biochem and Mol Genet, W1246

JOURNAL: JOURNAL OF GENE MEDICINE 8 (2): p129-137 FEB 2006 2006

Biomed Sci Tower, Pittsburgh, PA 15261 USA**USA

ISSN: 1099-498X_(print) 1521-2254_(electronic)

AUTHOR E-MAIL ADDRESS: probb@pitt.edu

DOCUMENT TYPE: Article

RECORD TYPE: Abstract LANGUAGE: English 7/3/5 (Item 5 from file: 5) DIALOG(R)File 5:Biosis Previews(R) (c) 2010 The Thomson Corporation. All rts. reserv. 18788546 BIOSIS NO.: 200600133941 Vector prime-protein boost vaccine induces immune response against "self-antigens" associated with epithelial neoplasms and tumor vascular endothelial cells. AUTHOR: Tang Yucheng (Reprint); Maynard Jonathan; Akbulut Hakan; Linton Phyllis-Jean; Deisseroth Albert B AUTHOR ADDRESS: Sidney Kimmel Canc Ctr, Gene Therapy Program, San Diego, CA USA**USA JOURNAL: Blood 106 (11, Part 2): p471B-472B NOV 16 2005 2005 CONFERENCE/MEETING: 47th Annual Meeting of the American-Society-of-Hematology Atlanta, GA, USA December 10 -13, 2005; 20051210 SPONSOR: Amer Soc Hematol ISSN: 0006-4971 DOCUMENT TYPE: Meeting; Meeting Abstract RECORD TYPE: Abstract LANGUAGE: English 7/3/6 (Item 6 from file: 5) DIALOG(R)File 5:Biosis Previews(R) (c) 2010 The Thomson Corporation. All rts. reserv. BIOSIS NO.: 200400148073 17781412 An adenoviral vector cancer vaccine that delivers a tumor associated antigen/CD40-ligand fusion protein to dendritic cells in vivo and thereby breaks tolerance to tumor associated self antigens. AUTHOR: Tang Yucheng (Reprint); Zhang Lixin (Reprint); Akbulut Hakan (Reprint); Litton Phyllis-Jean (Reprint); Deisseroth Albert B (Reprint) AUTHOR ADDRESS: Genetic Therapy Program, Sidney Kimmel Cancer Center, San Diego, CA, USA**USA JOURNAL: Blood 102 (11): p745a November 16, 2003 2003 MEDIUM: print CONFERENCE/MEETING: 45th Annual Meeting of the American Society of Hematology San Diego, CA, USA December 06-09, 2003; 20031206 SPONSOR: American Society of Hematology ISSN: 0006-4971 DOCUMENT TYPE: Meeting; Meeting Poster; Meeting Abstract RECORD TYPE: Abstract LANGUAGE: English 7/3/7 (Item 7 from file: 5) DIALOG(R)File 5:Biosis Previews(R) (c) 2010 The Thomson Corporation. All rts. reserv. BIOSIS NO.: 200400016354 Enhanced effector and memory CTL responses generated by incorporation of

receptor activator of NF-kappaB (RANK)/RANK ligand costimulatory molecules into dendritic cell immunogens expressing a human

AUTHOR: Wiethe Carsten; Dittmar Kurt; Doan Tracy; Lindenmaier Werner;

tumor-specific antigen.

Tindle Robert (Reprint)

```
AUTHOR ADDRESS: Sir Albert Sakzewski Virus Research Centre, Royal
 Children's Hospital, Herston Road, Herston, QLD, 4029, Australia**
  Australia
AUTHOR E-MAIL ADDRESS: r.tindle@mailbox.uq.edu.au
JOURNAL: Journal of Immunology 171 (8): p4121-4130 October 15, 2003 2003
MEDIUM: print
ISSN: 0022-1767 _(ISSN print)
DOCUMENT TYPE: Article
RECORD TYPE: Abstract
LANGUAGE: English
           (Item 8 from file: 5)
7/3/8
DIALOG(R)File
              5:Biosis Previews(R)
(c) 2010 The Thomson Corporation. All rts. reserv.
17530335 BIOSIS NO.: 200300487992
Injection of adenoviral vector encoding a secretable form
  of the {\rm E7/CD40} ligand generates immunoresistance to {\rm E7}
  positive cell lines for over 1 year.
AUTHOR: Tang Yucheng (Reprint); Zhang Lixin (Reprint); Maynard Jonathan
  (Reprint); Deisseroth Albert (Reprint)
AUTHOR ADDRESS: Sidney Kimmel Cancer Center, San Diego, CA, USA**USA
JOURNAL: Proceedings of the American Association for Cancer Research Annual
Meeting 44 p589 July 2003 2003
MEDIUM: print
CONFERENCE/MEETING: 94th Annual Meeting of the American Association for
Cancer Research Washington, DC, USA July 11-14, 2003; 20030711
ISSN: 0197-016X
DOCUMENT TYPE: Meeting; Meeting Abstract
RECORD TYPE: Citation
LANGUAGE: English
 7/3/9
           (Item 9 from file: 5)
DIALOG(R)File
              5:Biosis Previews(R)
(c) 2010 The Thomson Corporation. All rts. reserv.
         BIOSIS NO.: 200300357555
Treatment of High-Risk Acute Leukemia with an Autologous Vaccine Expressing
  Transgenic IL-2 and CD40L.
AUTHOR: Rousseau Raphael (Reprint); Biagi Ettore (Reprint); Yvon Eric
  (Reprint); Mei Zhuyong (Reprint); Inman Shannon (Reprint); Rill Donna
  (Reprint); Heslop Helen (Reprint); Popat Uday (Reprint); Gee Adrian
  (Reprint); Krance Robert (Reprint); Carrum George (Reprint); Alcoser Pat
  (Reprint); Rodgers Sherryl (Reprint); Kuehnle Ingrid (Reprint); Margolin
  Judith (Reprint); Brenner Malcolm (Reprint)
AUTHOR ADDRESS: Center for Cell and Gene Therapy, Baylor College of
  Medicine, Houston, TX, USA**USA
JOURNAL: Blood 100 (11): pAbstract No. 3420 November 16, 2002 2002
MEDIUM: print
CONFERENCE/MEETING: 44th Annual Meeting of the American Society of
Hematology Philadelphia, PA, USA December 06-10, 2002; 20021206
SPONSOR: American Society of Hematology
ISSN: 0006-4971
DOCUMENT TYPE: Meeting; Meeting Abstract
RECORD TYPE: Abstract
LANGUAGE: English
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7/3/10

(Item 10 from file: 5)

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DIALOG(R)File
                5:Biosis Previews(R)
(c) 2010 The Thomson Corporation. All rts. reserv.
16593405
           BIOSIS NO.: 200200186916
Membrane-stabilized chimeric tumor necrosis factor for gene therapy of B
  cell malignancies
AUTHOR: Cantwell Mark J (Reprint); Li Mei (Reprint); Prussak Charles
  (Reprint); Kipps Thomas J
AUTHOR ADDRESS: Tragen Pharmaceuticals, La Jolla, CA, USA**USA
JOURNAL: Blood 98 (11 Part 1): p423a November 16, 2001 2001
MEDIUM: print
CONFERENCE/MEETING: 43rd Annual Meeting of the American Society of
Hematology, Part 1 Orlando, Florida, USA December 07-11, 2001; 20011207
SPONSOR: American Society of Hematology
ISSN: 0006-4971
DOCUMENT TYPE: Meeting; Meeting Abstract; Meeting Poster
RECORD TYPE: Abstract
LANGUAGE: English
 7/3/11
            (Item 11 from file: 5)
DIALOG(R)File
               5:Biosis Previews(R)
(c) 2010 The Thomson Corporation. All rts. reserv.
16140629
         BIOSIS NO.: 200100312468
Immune responses induced by autologous non-Hodgkin's lymphoma B cells
  expressing the CD40 ligand and interleukin-2 transgenes
AUTHOR: Takahashi Satoshi (Reprint); Rousseau Raphael F (Reprint); Yotnda
  Patricia (Reprint); Mei Zhuyong (Reprint); Smith Susan (Reprint); Donna
  Rill (Reprint); Brenner Malcolm K (Reprint)
AUTHOR ADDRESS: Center for Cell and Gene Therapy, Baylor College of
  Medicine, Houston, TX, USA**USA
JOURNAL: Blood 96 (11 Part 1): p340a November 16, 2000 2000
MEDIUM: print
CONFERENCE/MEETING: 42nd Annual Meeting of the American Society of
Hematology San Francisco, California, USA December 01-05, 2000; 20001201
SPONSOR: American Society of Hematology
ISSN: 0006-4971
DOCUMENT TYPE: Meeting; Meeting Abstract; Meeting Poster
RECORD TYPE: Abstract
LANGUAGE: English
 7/3/12
            (Item 12 from file: 5)
               5:Biosis Previews(R)
DIALOG(R)File
(c) 2010 The Thomson Corporation. All rts. reserv.
          BIOSIS NO.: 200000203799
15485486
Readministration of adenovirus vector in nonhuman primate lungs by blockade
  of CD40-CD40 ligand interactions
AUTHOR: Chirmule Narendra; Raper Steven E; Burkly Linda; Thomas David;
  Tazelaar John; Hughes Joseph V; Wilson James M (Reprint)
AUTHOR ADDRESS: University of Pennsylvania, 3601 Spruce St., 204 Wistar
Institute, Philadelphia, PA, 19104, USA**USA
JOURNAL: Journal of Virology 74 (7): p3345-3352 April, 2000 2000
MEDIUM: print
ISSN: 0022-538X
DOCUMENT TYPE: Article
RECORD TYPE: Abstract
LANGUAGE: English
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7/3/13
          (Item 1 from file: 73)
DIALOG(R)File 73:EMBASE
(c) 2010 Elsevier B.V. All rts. reserv.
0078161960
              EMBASE/Medline No: 2000211248
 CD40 ligand (CD154) enhances the Th1 and antibody responses to
respiratory syncytial virus in the BALB/c mouse
 Tripp R.A.; Jones L.; Anderson L.J.; Brown M.P.
 Div. of Viral and Rickettsial Dis., Natl. Center of Infectious Diseases,
 Centers for Dis. Contr. and Prev., Atlanta, GA 30333, United States;
 Centers for Dis. Contr. and Prev., MS G09, 1600 Clifton Road, Atlanta, GA
 30333, United States
 AUTHOR EMAIL: rgt3@cdc.gov
 CORRESP. AUTHOR/AFFIL: Tripp R.A.: Centers for Dis. Control/Prevention,
1600 Clifton Road, Atlanta, GA 30333, United States
 CORRESP. AUTHOR EMAIL: rgt3@cdc.gov
 Journal of Immunology ( J. Immunol. ) (United States) July 3, 2000,
  164/11 (5913-5921)
 CODEN: JOIMA
               ISSN: 0022-1767
 DOCUMENT TYPE: Journal; Article RECORD TYPE: Abstract
 LANGUAGE: English SUMMARY LANGUAGE: English
 NUMBER OF REFERENCES: 71
7/3/14
          (Item 2 from file: 73)
DIALOG(R) File 73: EMBASE
(c) 2010 Elsevier B.V. All rts. reserv.
0069486677
             EMBASE/Medline No: 16256021
 Construction of recombinant adenovirus expressing sCD40L-Ig
 Li Z.L.; Tian P.X.; Xue W.J.
 Renal Disease Center of First Affiliated Hospital, Xi'an Jiaotong
 University, Xi'an 710061, China.
 CORRESP. AUTHOR/AFFIL: Li Z.L.: Renal Disease Center of First Affiliated
Hospital, Xi'an Jiaotong University, Xi'an 710061, China.
 CORRESP. AUTHOR EMAIL: Lizhaolun1@sina.com.cn
 Xi bao yu fen zi mian yi xue za zhi = Chinese journal of cellular and
 molecular immunology ( Xi Bao Yu Fen Zi Mian Yi Xue Za Zhi ) (China)
 November 1, 2005, 21/6 (668-671)
 ISSN: 1007-8738
 DOCUMENT TYPE: Journal; Article RECORD TYPE: Abstract
 FILE SEGMENT: Medline
 LANGUAGE: Chinese
7/3/15
           (Item 1 from file: 155)
DIALOG(R) File 155: MEDLINE(R)
(c) format only 2010 Dialog. All rts. reserv.
32969660
         PMID: 20423644
  [Construction and
                       identification of recombinant adenovirus vector
expressing IkappaBalpha-IRES2-shCD40L.]
 Ding Xiao-Ming; Niu Xiao-Li; Xue Wu-Jun; Li Yang
 Department
             of Renal Transplantation, Center of Nephropathy, First
Affiliated Hospital, Xi'an Jiaotong University, Xi'an 710061, China.
 Xi bao yu fen zi mian yi xue za zhi = Chinese journal of cellular and
molecular immunology (China) May 2010, 26 (5) p416-9, ISSN 1007-8738
--Print 1007-8738--Linking Journal Code: 101139110
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Document type: English Abstract; Journal Article Languages: CHINESE Main Citation Owner: NLM Record type: In Data Review ? t s7/7/9-13(Item 9 from file: 5) 7/7/9 DIALOG(R) File 5: Biosis Previews(R) (c) 2010 The Thomson Corporation. All rts. reserv. BIOSIS NO.: 200300357555 Treatment of High-Risk Acute Leukemia with an Autologous Vaccine Expressing Transgenic IL-2 and CD40L. AUTHOR: Rousseau Raphael (Reprint); Biagi Ettore (Reprint); Yvon Eric (Reprint); Mei Zhuyong (Reprint); Inman Shannon (Reprint); Rill Donna (Reprint); Heslop Helen (Reprint); Popat Uday (Reprint); Gee Adrian (Reprint); Krance Robert (Reprint); Carrum George (Reprint); Alcoser Pat (Reprint); Rodgers Sherryl (Reprint); Kuehnle Ingrid (Reprint); Margolin Judith (Reprint); Brenner Malcolm (Reprint) AUTHOR ADDRESS: Center for Cell and Gene Therapy, Baylor College of Medicine, Houston, TX, USA**USA JOURNAL: Blood 100 (11): pAbstract No. 3420 November 16, 2002 2002 MEDIUM: print CONFERENCE/MEETING: 44th Annual Meeting of the American Society of Hematology Philadelphia, PA, USA December 06-10, 2002; 20021206 SPONSOR: American Society of Hematology ISSN: 0006-4971 DOCUMENT TYPE: Meeting; Meeting Abstract RECORD TYPE: Abstract LANGUAGE: English ABSTRACT: Leukemic cells generally do not express the costimulatory surface molecules necessary for induction of a T-cell response. Consequently, they induce specific T-cell anergy. Engagement of CD40L augments antigen presentation by normal and malignant B cells, and by antigen-presenting cells (APC) by up-regulating the expression of adhesion, costimulatory and MHC molecules. Stimulation of APC through the CD40-CD40L pathway bypasses the helper T-cell mechanism in activating specific cytotoxic T cells. In murine models, CD40L augments the immune response against CD40malignancies by stimulating activated CD4+ and CD8+ T cells. Hence, activation of CD40+ leukemia cells by CD40L generates an anti-tumor response in leukemia-bearing mice and the effect is potentiated by IL2 (Dilloo et al., Blood 1997;90:1927). We developed a Phase I study to assess the feasibility, safety and immunologic efficacy of an IL2- and CD40L-expressing tumor vaccine in patients with high-risk acute leukemia. The predicted relapse risk for this group was >50% at 2 years. Autologous skin fibroblasts were transduced with adenoviral ***vectors*** encoding human IL-2 and ***CD40L*** . High-risk patients in complete or partial cytological remission received up to six s.c.injections of their gene-modified ***CD40L*** and IL-2 fibroblasts, and leukemic blasts, separated by one-two weeks in the absence of concurrent therapy. Patients received a fixed dose of IL-2 secreting fibroblasts (2x1E7 per injection) and leukemic blasts (2x1E7 per injection) throughout the treatment protocol, while the dose of CD40L-secreting fibroblasts were escalated from 2x1E5 (level 1) to 2x1E7 (level 3) per injection. To date, nine patients (2 adults, 7 children) with AML (3 patients) or B-ALL (5 patients) have been studied. All but 1 patient were in complete remission on enrollment, 7 post allogeneic bone marrow transplantation and 1 post chemotherapy regimen. All patients were off immunosuppressive drugs. No severe adverse reactions were noted. Of the 8 evaluable patients, one relapsed (skull

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infiltrate) after 22 weeks. All other patients remain disease free 1 to 31 months after the 1st injection (disease free survival at 12 months = 87.5%). Injection-site biopsies revealed increased cellularity due to infiltration of CD3+ cells. Systemically, we observed a significant expansion of the CD4+ (259+-35/ml to 519+-66/ml, a 2-fold increase, P=0.004) and the CD3+CD25+ T-cell (100+-20/ml to 189+-11/ml, a 1.9-fold increase, P=0.006) populations. Using the ELISPOT assay, we found an increase in IFNgamma- and IL4-spot forming cells reactive to their autologous blasts after 3 injections (IFNgamma: median 10 pre to 190 post: IL-4; median 10 pre to 40 post). Two of 8 evaluable patients produced IgG antibodies that bound to their autologous blasts. Thus, a vaccine combining transgenic skin fibroblasts secreting CD40L with IL-2 and autologous leukemic blasts can be safely administered to patients in remission of acute leukemia, and even in patients post allogeneic bone marrow transplantation, it can produce immunomodulation. A larger study with continued follow up should indicate whether such adjuvant therapy has clinical benefit.

7/7/10 (Item 10 from file: 5)
DIALOG(R)File 5:Biosis Previews(R)
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16593405 BIOSIS NO.: 200200186916

Membrane-stabilized chimeric tumor necrosis factor for gene therapy of B cell malignancies

AUTHOR: Cantwell Mark J (Reprint); Li Mei (Reprint); Prussak Charles (Reprint); Kipps Thomas J

AUTHOR ADDRESS: Tragen Pharmaceuticals, La Jolla, CA, USA**USA JOURNAL: Blood 98 (11 Part 1): p423a November 16, 2001 2001 MEDIUM: print

CONFERENCE/MEETING: 43rd Annual Meeting of the American Society of Hematology, Part 1 Orlando, Florida, USA December 07-11, 2001; 20011207 SPONSOR: American Society of Hematology

ISSN: 0006-4971

DOCUMENT TYPE: Meeting; Meeting Abstract; Meeting Poster

RECORD TYPE: Abstract LANGUAGE: English

ABSTRACT: Tumor necrosis factor (TNF) first was identified as a molecule that could induce apoptosis (previously considered necrosis) of tumor cells when injected into tumor-bearing animals. Clinical trials in patients with various cancers, however, revealed TNF had a low therapeutic index, in part due to the high systemic toxicity of soluble TNF, thereby greatly limiting the concentration of TNF that could be achieved at sites of tumor in vivo. Nevertheless, encouraging clinical responses were observed, particularly in patients with B cell malignancies (Selby et. al., Br J Cancer. 56:803-808, 1987). Transduction of tumor cells with genes encoding TNF might be an effective strategy for treatment of such neoplastic diseases. However, this strategy may also generate unacceptable toxicities, as the membrane-associated pro-cytokine of wild-type TNF (wtTNF) is readily cleaved, releasing a soluble cytokine that diffuses rapidly to distal sites in vivo. Transfer of genes encoding membrane-stabilized forms of TNF, on the other hand, may allow for high-level local expression of molecules that can effect TNF-signaling without the systemic toxicity associated with soluble TNF. To this end, we generated chimeric TNF genes encoding the receptor-binding domain of TNF spliced onto transmembrane domains of other members of the TNF family ***CD154*** , TRAIL, and Fas-Ligand). In addition, we (e.g. CD70, introduced an in-frame deletion to generate a truncated TNF gene (DELTATNF) lacking the known site(s) for cleavage by matrix

metalloproteinases. Finally, we generated recombinant ***adenovirus*** ***vectors*** encoding these recombinant TNF genes. These Ad vectors were used to transduce cells that subsequently were examined for expression of soluble and membrane-anchored molecules with TNF activity. We discovered that cells transduced with Ad encoding the chimeric CD154-TNF (Ad-CD154-TNF) expressed significantly higher levels of cell-surface TNF than did cells equally transduced with Ad-wtTNF, Ad-DELTATNF, or any one of the other chimeric constructs. Moreover, cells that expressed CD154-TNF specifically could interact with both p55 and p75 TNF-receptors (CD120a and CD120b) to effect TNF-signaling. On the other hand, cells expressing the chimeric CD154-TNF gene secreted near-negligible amounts of soluble TNF that were 1/1,000th or 1/100th of that produced by equivalent numbers of cells transduced with Ad-wtTNF or Ad-DELTATNF, respectively. Neoplastic B cells from patients with chronic lymphocytic leukemia, follicular lymphoma, or multiple myeloma also could be transduced with Ad-CD154-TNF. Transduced B cells expressed high surface levels of TNF without releasing detectable amounts of soluble TNF. Furthermore, transduction of the neoplastic B cells with Ad-CD154-TNF induced expression of immune co-stimulatory molecules that are important for antigen presentation. We conclude that CD154-TNF represents a novel type of membrane-stabilized TNF that has potent biologic activity. The use of such molecules could mitigate the risk of systemic toxicity caused by soluble TNF, potentially allowing for the application of TNF gene therapy in patients with B cell malignancies.

7/7/11 (Item 11 from file: 5) DIALOG(R) File 5:Biosis Previews(R) (c) 2010 The Thomson Corporation. All rts. reserv. 16140629 BIOSIS NO.: 200100312468 Immune responses induced by autologous non-Hodgkin's lymphoma B cells expressing the CD40 ligand and interleukin-2 transgenes AUTHOR: Takahashi Satoshi (Reprint); Rousseau Raphael F (Reprint); Yotnda Patricia (Reprint); Mei Zhuyong (Reprint); Smith Susan (Reprint); Donna Rill (Reprint); Brenner Malcolm K (Reprint) AUTHOR ADDRESS: Center for Cell and Gene Therapy, Baylor College of Medicine, Houston, TX, USA**USA JOURNAL: Blood 96 (11 Part 1): p340a November 16, 2000 2000 MEDIUM: print CONFERENCE/MEETING: 42nd Annual Meeting of the American Society of Hematology San Francisco, California, USA December 01-05, 2000; 20001201 SPONSOR: American Society of Hematology ISSN: 0006-4971 DOCUMENT TYPE: Meeting; Meeting Abstract; Meeting Poster RECORD TYPE: Abstract LANGUAGE: English

ABSTRACT: The malignant B cells of non-Hodgkin's lymphoma (B-NHL) express peptides derived from tumor specific antigens (such as immunoglobulin idiotypes), and also express major histocompatibility complex (MHC) antigens. However, they do not express co-stimulatory molecules which likely contributes to their protection from host antitumor immunity. To stimulate NHL-specific immune responses, we attempted to transfer the human CD40 ligand (hCD40L) gene to B-NHL cells and enhance their co-stimulatory potential. We found an ***adenoviral*** ***vector*** encoding human CD40L (AdhCD40L) was ineffective at transducing B-NHL cells, which lack adenoviral receptors, including CAR (the coxsackievirus B- ***adenovirus*** receptors) and alphav integrins. However, pre-culture of the B-NHL cells with human embryonic lung fibroblast line MRC-5 significantly upregulated expression of integrins

and markedly increased their susceptibility to adenoviral transduction. After pre-stimulation, transduction with ***vector*** ***CD40L*** expression on B-NHL cells from 1.3+-0.2% AdhCD40L increased ***CD40L*** to 40.8+-11.9% (n=7). No significant increase in was obtained without pre-culture or with control advectors. Expression of transgenic human CD40L was in turn associated with upregulation of other co-stimulatory molecules including B7-1/-2 (CD80 expression before transduction: 12.2+-6.3%; after transduction: 46.0+-10.4%; CD86 expression before transduction: 42.9+-6.2%; after transduction: 71.3+-7.9%). Transduced B-NHL cells were now able to stimulate autologous T cells to proliferate and secrete Th1 cytokines, but the stimulated T cells were unable to recognize unmodified lymphoma cells - a requirement for an effective tumor vaccine. Our previous studies of murine lymphoma models suggested that CD40L and interleukin-2 (IL2) in combination were more potent than either molecule alone. We therefore transduced B-NHL cells with AdhCD40L and AdhIL2 (IL2 production before transduction: below limit of detection; on day 3: 10.1+-5.2ng of IL2/106 cells/24 hours). Although IL2 transduction alone had little effect, admixture of hCD40L- and hIL2-gene transduced cells enhanced initial T-cell activation and also generated autologous T cells capable of specifically recognizing and killing parental B-NHL cells via MHC restricted cytotoxic T lymphocytes. These findings suggest that the combination of CD40L and IL2 gene-modified B-NHL cells may be capable of inducing a cytotoxic immune response in vivo.

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7/7/12
           (Item 12 from file: 5)
DIALOG(R)File
              5:Biosis Previews(R)
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15485486
          BIOSIS NO.: 200000203799
Readministration of adenovirus vector in nonhuman primate lungs by blockade
  of CD40-CD40 ligand interactions
AUTHOR: Chirmule Narendra; Raper Steven E; Burkly Linda; Thomas David;
  Tazelaar John; Hughes Joseph V; Wilson James M (Reprint)
AUTHOR ADDRESS: University of Pennsylvania, 3601 Spruce St., 204 Wistar
  Institute, Philadelphia, PA, 19104, USA**USA
JOURNAL: Journal of Virology 74 (7): p3345-3352 April, 2000 2000
MEDIUM: print
ISSN: 0022-538X
DOCUMENT TYPE: Article
RECORD TYPE: Abstract
LANGUAGE: English
ABSTRACT: The interaction between CD40 on B cells and CD40
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ligand (CD40L) on activated T cells is important for B-cell

differentiation in T-cell-dependent humoral responses. We have extended our previous murine studies of CD40-CD40L in adenoviral

vector -mediated immune responses to rhesus monkeys. Primary immune responses to adenoviral vectors and the ability to readminister vector were studied in rhesus monkeys in the presence or absence of a transient treatment with a humanized anti-CD40

ligand antibody (hu5C8). Adult animals were treated with hu5C8 at the time ***vector*** was instilled into the lung. Immunological analyses demonstrated suppression of adenovirus-induced lymphoproliferation and cytokine responses (interleukin-2 (IL-2), gamma interferon, IL-4, and IL-10) in hu5C8-treated animals. Animals treated with hu5C8 secreted adenovirus-specific immunoglobulin M (IgM) levels comparable to control animals, but did not secrete IgA or develop neutralizing antibodies; consequently, the animals could be readministered with adenovirus vector expressing alkaline

phosphatase. A second study was designed to examine the long-term effects on immune functions of a short course of hu5C8. Acute hu5C8 treatment resulted in significant and prolonged inhibition of the adenovirus-specific humoral response well beyond the time hu5C8 effects were no longer significant. These studies demonstrate the potential of hu5C8 as an immunomodulatory regimen to enable administration of adenoviral vectors, and they advocate testing this model in humans.

7/7/13 (Item 1 from file: 73) DIALOG(R) File 73: EMBASE (c) 2010 Elsevier B.V. All rts. reserv. EMBASE/Medline No: 2000211248 CD40 ligand (CD154) enhances the Th1 and antibody responses to respiratory syncytial virus in the BALB/c mouse Tripp R.A.; Jones L.; Anderson L.J.; Brown M.P. Div. of Viral and Rickettsial Dis., Natl. Center of Infectious Diseases, Centers for Dis. Contr. and Prev., Atlanta, GA 30333, United States; Centers for Dis. Contr. and Prev., MS G09, 1600 Clifton Road, Atlanta, GA 30333, United States AUTHOR EMAIL: rgt3@cdc.gov CORRESP. AUTHOR/AFFIL: Tripp R.A.: Centers for Dis. Control/Prevention, 1600 Clifton Road, Atlanta, GA 30333, United States CORRESP. AUTHOR EMAIL: rgt3@cdc.gov Journal of Immunology (J. Immunol.) (United States) July 3, 2000, 164/11 (5913-5921) CODEN: JOIMA ISSN: 0022-1767 DOCUMENT TYPE: Journal; Article RECORD TYPE: Abstract LANGUAGE: English SUMMARY LANGUAGE: English NUMBER OF REFERENCES: 71

CD40 ligand (CD40L) is a cell surface costimulatory molecule expressed mainly by activated T cells. CD40L is critically important for T-B cell and T cell-dendritic cell interactions. CD40L expression promotes Th1 cytokine responses to protein Ags and is responsible for Ig isotype switching in B cells. Respiratory syncytial virus (RSV) is an important pathogen of young children and the elderly, which causes bronchiolitis and pneumonia. Studies of mice infected with RSV suggest that a Th2 cytokine response may be responsible for enhanced pulmonary disease. To investigate the effect CD40L has on RSV immunity, mice were infected simultaneously with RSV and either an empty control adenovirus vector or one expressing CD40L or were coimmunized with plasmid DNA vectors expressing CD40L and RSV F and/or G proteins and subsequently challenged with RSV. The kinetics of the intracellular and ***secreted*** cytokine responses, the cytotoxic T lymphocyte precursor frequency, NO levels in lung lavage, rates of virus clearance, and anti-RSV Ab titers were determined. These studies show that coincident expression of ${\tt CD40L}$ enhances the Th1 (IL-2 and IFN-gamma) cytokine responses, increases the expression of TNF-alpha and NO, accelerates virus clearance, and increases the anti-F and anti-G Ab responses. These data suggest that CD40L may have the adjuvant properties needed to optimize the safety and efficacy of RSV vaccines.

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Set Items Description
S1 166 E1-E4
S2 269 AU='ZHANG LIXIN'
S3 12 (S1 OR S2) AND (ADENOVIRAL OR ADENOVIRUS) (20N) (VECTOR?) AND (CD40L OR CD154 OR CD40(W)LIGAND)
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S5
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             54 OR CD40(W)LIGAND)
S6
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             54 OR CD40(W)LIGAND)(20N)(SECRET?)
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              RD S6 (unique items)
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and (cd40L or cd40(w)ligand or cd154)(20n)(secret?)
           42047 ADENOVIRAL
          136081 ADENOVIRUS
          694836 VECTOR?
           10347 CD40L
            4611 CD154
           42860 CD40
          661511 LIGAND
           19956 CD40(W)LIGAND
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                  CD154) OR CD40(W)LIGAND)
           10347 CD40L
           42860 CD40
          661511 LIGAND
           19956 CD40(W)LIGAND
            4611 CD154
         1567357 SECRET?
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            1381
                  (ADENOVIRAL OR ADENOVIRUS) (20N) (VECTOR?) (20N) (CD40L OR
      S8
                  CD154 OR CD40(W)LIGAND) AND (CD40L OR CD40(W)LIGAND OR
                  CD154) (20N) (SECRET?)
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? t s9/3/all
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 9/3/1
DIALOG(R)File
              5:Biosis Previews(R)
(c) 2010 The Thomson Corporation. All rts. reserv.
0021031254
            BIOSIS NO.: 200900372691
Generation of Human Dendritic Cells That Simultaneously Secrete IL-12 and
  Have Migratory Capacity by Adenoviral Gene Transfer of hCD40L in
  Combination With IFN-gamma
AUTHOR: Knippertz Ilka; Hesse Andrea; Schunder Tania; Kaempgen Eckhart;
  Brenner Malcobn K; Schuler Gerold; Steinkasserer Alexander; Nettelbeck
  Dirk M (Reprint)
AUTHOR ADDRESS: Univ Heidelberg Hosp, German Canc Res Ctr, Helmholtz Univ
  Grp Oncolyt Adenoviruses, Neuenheimer Feld 242, D-69221 Heidelberg,
  Germany **Germany
AUTHOR E-MAIL ADDRESS: d.nettelbeck@dkfz-heidelberg.de
JOURNAL: Journal of Immunotherapy 32 (5): p524-538 JUN 2009 2009
ISSN: 1524-9557
DOCUMENT TYPE: Article
RECORD TYPE: Abstract
LANGUAGE: English
           (Item 2 from file: 5)
DIALOG(R)File
               5:Biosis Previews(R)
(c) 2010 The Thomson Corporation. All rts. reserv.
0020918470
           BIOSIS NO.: 200900258804
Vaccination Strategies for Patients with B-CLLc
AUTHOR: Okur Fatma V (Reprint); Yvon Eric; Dotti Gianpietro; Carrum George;
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Heslop Helen E; Brenner Malcolm K; Fratantoni Joseph C; Peshwa Madhusudan
  V; Li Linhong
AUTHOR ADDRESS: Baylor Coll Med, Ctr Cell and Gene Therapy, Houston, TX
  77030 USA**USA
JOURNAL: Blood 112 (11): p733 NOV 16 2008 2008
CONFERENCE/MEETING: 50th Annual Meeting of the American-
Society-of-Hematology San Francisco, CA, USA December 06 -09, 2008;
20081206
SPONSOR: Amer Soc Hematol
ISSN: 0006-4971
DOCUMENT TYPE: Meeting; Meeting Poster
RECORD TYPE: Abstract
LANGUAGE: English
           (Item 3 from file: 5)
9/3/3
DIALOG(R)File 5:Biosis Previews(R)
(c) 2010 The Thomson Corporation. All rts. reserv.
          BIOSIS NO.: 200600454262
Comparative analysis of antitumor activity of CD40L, RANKL, and 4-1BBL in
  vivo following intratumoral administration of viral vectors or transduced
  dendritic cells
AUTHOR: Yurkovetsky Zoya R; Shurin Galina V; Barry Denise A; Schuh Andre C;
 Shurin Michael R; Robbins Paul D (Reprint)
AUTHOR ADDRESS: Univ Pittsburgh, Sch Med, Dept Biochem and Mol Genet, W1246
 Biomed Sci Tower, Pittsburgh, PA 15261 USA**USA
AUTHOR E-MAIL ADDRESS: probb@pitt.edu
JOURNAL: JOURNAL OF GENE MEDICINE 8 (2): p129-137 FEB 2006 2006
ISSN: 1099-498X_(print) 1521-2254_(electronic)
DOCUMENT TYPE: Article
RECORD TYPE: Abstract
LANGUAGE: English
 9/3/4
           (Item 4 from file: 5)
DIALOG(R)File
               5:Biosis Previews(R)
(c) 2010 The Thomson Corporation. All rts. reserv.
          BIOSIS NO.: 200510267519
Soluble factors secreted from CD40 ligand-transfected
  dendritic cells enhance TRAIL-induced apoptosis of multiple myeloma.
AUTHOR: Tomihara Kei (Reprint); Kato Kazunori; Hamada Hirofumi
AUTHOR ADDRESS: Sapporo Med Univ, Dept Mol Med, Sapporo, Hokkaido, Japan**
JOURNAL: Blood 104 (11, Part 2): p300B NOV 16 2004 2004
CONFERENCE/MEETING: 46th Annual Meeting of the
American-Society-of-Hematology San Diego, CA, USA December 04 -07, 2004;
20041204
SPONSOR: Amer Soc Hematol
ISSN: 0006-4971
DOCUMENT TYPE: Meeting; Meeting Abstract
RECORD TYPE: Abstract
LANGUAGE: English
 9/3/5
           (Item 5 from file: 5)
DIALOG(R) File
               5:Biosis Previews(R)
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17781412 BIOSIS NO.: 200400148073
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An adenoviral vector cancer vaccine that delivers a tumor associated antigen/CD40-ligand fusion protein to dendritic cells in vivo and thereby breaks tolerance to tumor associated self antigens. AUTHOR: Tang Yucheng (Reprint); Zhang Lixin (Reprint); Akbulut Hakan (Reprint); Litton Phyllis-Jean (Reprint); Deisseroth Albert B (Reprint) AUTHOR ADDRESS: Genetic Therapy Program, Sidney Kimmel Cancer Center, San Diego, CA, USA**USA JOURNAL: Blood 102 (11): p745a November 16, 2003 2003 MEDIUM: print CONFERENCE/MEETING: 45th Annual Meeting of the American Society of Hematology San Diego, CA, USA December 06-09, 2003; 20031206 SPONSOR: American Society of Hematology ISSN: 0006-4971 DOCUMENT TYPE: Meeting; Meeting Poster; Meeting Abstract RECORD TYPE: Abstract LANGUAGE: English 9/3/6 (Item 6 from file: 5) DIALOG(R) File 5: Biosis Previews(R) (c) 2010 The Thomson Corporation. All rts. reserv. BIOSIS NO.: 200400016354 Enhanced effector and memory CTL responses generated by incorporation of receptor activator of NF-kappaB (RANK)/RANK ligand costimulatory molecules into dendritic cell immunogens expressing a human tumor-specific antigen. AUTHOR: Wiethe Carsten; Dittmar Kurt; Doan Tracy; Lindenmaier Werner; Tindle Robert (Reprint) AUTHOR ADDRESS: Sir Albert Sakzewski Virus Research Centre, Royal Children's Hospital, Herston Road, Herston, QLD, 4029, Australia** Australia AUTHOR E-MAIL ADDRESS: r.tindle@mailbox.uq.edu.au JOURNAL: Journal of Immunology 171 (8): p4121-4130 October 15, 2003 2003 MEDIUM: print ISSN: 0022-1767 _(ISSN print) DOCUMENT TYPE: Article RECORD TYPE: Abstract LANGUAGE: English 9/3/7 (Item 7 from file: 5) DIALOG(R) File 5: Biosis Previews(R) (c) 2010 The Thomson Corporation. All rts. reserv. BIOSIS NO.: 200300487992 Injection of adenoviral vector encoding a secretable form of the E7/CD40 ligand generates immunoresistance to E7 positive cell lines for over 1 year. AUTHOR: Tang Yucheng (Reprint); Zhang Lixin (Reprint); Maynard Jonathan (Reprint); Deisseroth Albert (Reprint) AUTHOR ADDRESS: Sidney Kimmel Cancer Center, San Diego, CA, USA**USA JOURNAL: Proceedings of the American Association for Cancer Research Annual Meeting 44 p589 July 2003 2003 MEDIUM: print CONFERENCE/MEETING: 94th Annual Meeting of the American Association for Cancer Research Washington, DC, USA July 11-14, 2003; 20030711 ISSN: 0197-016X DOCUMENT TYPE: Meeting; Meeting Abstract RECORD TYPE: Citation

16593405 BIOSIS NO.: 200200186916

Membrane-stabilized chimeric tumor necrosis factor for gene therapy of B cell malignancies

AUTHOR: Cantwell Mark J (Reprint); Li Mei (Reprint); Prussak Charles (Reprint); Kipps Thomas J

AUTHOR ADDRESS: Tragen Pharmaceuticals, La Jolla, CA, USA**USA

JOURNAL: Blood 98 (11 Part 1): p423a November 16, 2001 2001 MEDIUM: print CONFERENCE/MEETING: 43rd Annual Meeting of the American Society of Hematology, Part 1 Orlando, Florida, USA December 07-11, 2001; 20011207 SPONSOR: American Society of Hematology ISSN: 0006-4971 DOCUMENT TYPE: Meeting; Meeting Abstract; Meeting Poster RECORD TYPE: Abstract LANGUAGE: English (Item 1 from file: 73) 9/3/11 DIALOG(R)File 73:EMBASE (c) 2010 Elsevier B.V. All rts. reserv. EMBASE/Medline No: 2005130724 Molecular transfer of CD40 and OX40 ligands to leukemic human B cells induces expansion of autologous tumor-reactive cytotoxic T lymphocytes Biagi E.; Dotti G.; Yvon E.; Lee E.; Pule M.; Vigouroux S.; Gottschalk S. ; Popat U.; Rousseau R.; Brenner M. Center for Cell and Gene Therapy, Baylor College of Medicine, Methodist Hosp./Texas Children's H., Houston, TX, United States; Center for Cell and Gene Therapy, 1102 Bates St., Houston, TX 77030, United States AUTHOR EMAIL: exbiagi@txccc.org CORRESP. AUTHOR/AFFIL: Biagi E.: Center for Cell and Gene Therapy, 1102 Bates St., Houston, TX 77030, United States CORRESP. AUTHOR EMAIL: exbiagi@txccc.org Blood (Blood) (United States) March 15, 2005, 105/6 (2436-2442) CODEN: BLOOA ISSN: 0006-4971 DOI: 10.1182/blood-2004-07-2556 DOCUMENT TYPE: Journal; Article RECORD TYPE: Abstract SUMMARY LANGUAGE: English LANGUAGE: English NUMBER OF REFERENCES: 38 9/3/12 (Item 2 from file: 73) DIALOG(R) File 73: EMBASE (c) 2010 Elsevier B.V. All rts. reserv. EMBASE/Medline No: 2000211248 CD40 ligand (CD154) enhances the Th1 and antibody responses to respiratory syncytial virus in the BALB/c mouse Tripp R.A.; Jones L.; Anderson L.J.; Brown M.P. Div. of Viral and Rickettsial Dis., Natl. Center of Infectious Diseases, Centers for Dis. Contr. and Prev., Atlanta, GA 30333, United States; Centers for Dis. Contr. and Prev., MS G09, 1600 Clifton Road, Atlanta, GA 30333, United States AUTHOR EMAIL: rqt3@cdc.qov CORRESP. AUTHOR/AFFIL: Tripp R.A.: Centers for Dis. Control/Prevention, 1600 Clifton Road, Atlanta, GA 30333, United States CORRESP. AUTHOR EMAIL: rgt3@cdc.gov Journal of Immunology (J. Immunol.) (United States) July 3, 2000, 164/11 (5913-5921) ISSN: 0022-1767 CODEN: JOIMA DOCUMENT TYPE: Journal; Article RECORD TYPE: Abstract LANGUAGE: English SUMMARY LANGUAGE: English NUMBER OF REFERENCES: 71

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9/3/13
         (Item 3 from file: 73)
DIALOG(R)File 73:EMBASE
(c) 2010 Elsevier B.V. All rts. reserv.
0069486677
             EMBASE/Medline No: 16256021
 Construction of recombinant adenovirus expressing sCD40L-Iq
  Li Z.L.; Tian P.X.; Xue W.J.
  Renal Disease Center of First Affiliated Hospital, Xi'an Jiaotong
  University, Xi'an 710061, China.
  CORRESP. AUTHOR/AFFIL: Li Z.L.: Renal Disease Center of First Affiliated
Hospital, Xi'an Jiaotong University, Xi'an 710061, China.
  CORRESP. AUTHOR EMAIL: Lizhaolun1@sina.com.cn
  Xi bao yu fen zi mian yi xue za zhi = Chinese journal of cellular and
  molecular immunology ( Xi Bao Yu Fen Zi Mian Yi Xue Za Zhi ) (China)
  November 1, 2005, 21/6 (668-671)
  ISSN: 1007-8738
  DOCUMENT TYPE: Journal; Article RECORD TYPE: Abstract
  FILE SEGMENT: Medline
  LANGUAGE: Chinese
           (Item 1 from file: 155)
 9/3/14
DIALOG(R) File 155: MEDLINE(R)
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32969660
         PMID: 20423644
  [Construction and identification of recombinant adenovirus vector
expressing IkappaBalpha-IRES2-shCD40L.]
  Ding Xiao-Ming; Niu Xiao-Li; Xue Wu-Jun; Li Yang
  Department of Renal Transplantation, Center of Nephropathy,
Affiliated Hospital, Xi'an Jiaotong University, Xi'an 710061, China.
 Xi bao yu fen zi mian yi xue za zhi = Chinese journal of cellular and
molecular immunology (China) May 2010, 26 (5) p416-9, ISSN 1007-8738
--Print 1007-8738--Linking Journal Code: 101139110
 Publishing Model Print
  Document type: English Abstract; Journal Article
  Languages: CHINESE
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           (Item 1 from file: 399)
DIALOG(R)File 399:CA SEARCH(R)
(c) 2010 American Chemical Society. All rts. reserv.
              CA: 147(1)8378d
                                 PATENT
  Fusion proteins comprising CD40 ligand and pathogen or tumor antigen as
  vaccines against infection or cancer
  INVENTOR(AUTHOR): Tang, Yucheng; Deisseroth, Albert
  LOCATION: USA
  ASSIGNEE: Sidney Kimmel Cancer Center
  PATENT: PCT International; WO 200756266 A2 DATE: 20070518
  APPLICATION: WO 2006US43164 (20061106) *US 2005PV734136 (20051107) *US
2006PV755885 (20060104) *US 2006PV789270 (20060404) *US 2006PV793206
(20060419) *US 2006PV853184 (20061020)
  PAGES: 122pp. CODEN: PIXXD2 LANGUAGE: English
  PATENT CLASSIFICATIONS:
    IPCR/8 + Level Value Position Status Version Action Source Office:
     A61K-0039/145 A I F B 20060101 H US
A61K-0048/00 A I L B 20060101 H US
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BZ; CA; CH; CN; CO; CR; CU; CZ; DE; DK; DM; DZ; EC; EE; EG; ES; FI; GB; GD;
GE; GH; GM; GT; HN; HR; HU; ID; IL; IN; IS; JP; KE; KG; KM; KN; KP; KR; KZ;
LA; LC; LK; LS; LT; LU; LV; LY; MA; MD; MG; MK; MN; MW; MX; MY; MZ; NA;
NG; NI; NO; NZ; OM; PG; PH; PL; PT; RO; RS; RU; SC; SD; SE; SG; SK; SL; SM;
SV; SY; TJ; TM; TN; TT; TZ; UA; UG DESIGNATED REGIONAL: AT; BE; BG; CH
; CY; CZ; DE; DK; EE; ES; FI; FR; GB; GR; HU; IE; IS; IT; LT; LU; LV; MC;
NL; PL; PT; RO; SE; SI; SK; TR; BF; BJ; CF; CG; CI; CM; GA; GN; GQ; GW; ML;
MR; NE; SN; TD; TG; BW; GH; GM; KE; LS; MW; MZ; NA; SD; SL; SZ; TZ; UG; ZM;
ZW; AM; AZ; BY; KG; KZ; MD; RU; TJ; TM
            (Item 2 from file: 399)
 9/3/16
DIALOG(R) File 399:CA SEARCH(R)
(c) 2010 American Chemical Society. All rts. reserv.
               CA: 146(4)54910y
  146054910
                                    JOURNAL
  Chemotherapeutic agents enhance AAV2-mediated gene transfer into breast
  cancer cells promoting CD40 ligand-based immunotherapy
  AUTHOR(S): Koppold, Bernd; Sauer, Georg; Buening, Hildegard; Hallek,
Michael; Kreienberg, Rolf; Deissler, Helmut; Kurzeder, Christian
  LOCATION: Department of Obstetrics and Gynecology, University of Ulm
Medical School, Ulm, Germany, 89075
  JOURNAL: J. Cancer Res. Clin. Oncol. (Journal of Cancer Research and
Clinical Oncology) DATE: 2006 VOLUME: 132 NUMBER: 12 PAGES: 787-794
  CODEN: JCROD7 ISSN: 0171-5216 LANGUAGE: English PUBLISHER: Springer
 9/3/17
           (Item 3 from file: 399)
DIALOG(R) File 399:CA SEARCH(R)
(c) 2010 American Chemical Society. All rts. reserv.
  146044177
               CA: 146(3)44177a
                                    PATENT
  Methods for immunotherapy of cancer using an expression vector encoding a
  tumor vasculature antigen (TVECA)-CD40L fusion and/or a tumor antigen
  vaccine
  INVENTOR(AUTHOR): Tang, Yucheng; Deisseroth, Albert
  LOCATION: USA
  ASSIGNEE: Sidney Kimmel Cancer Center
  PATENT: PCT International; WO 2006130525 A2 DATE: 20061207
  APPLICATION: WO 2006US20652 (20060526) *US 2005PV686534 (20050531) *US
2006PV795686 (20060428)
  PAGES: 80pp. CODEN: PIXXD2 LANGUAGE: English
  PATENT CLASSIFICATIONS:
    CLASS: A61K-000/A
  DESIGNATED COUNTRIES: AE; AG; AL; AM; AT; AU; AZ; BA; BB; BG; BR; BW; BY;
BZ; CA; CH; CN; CO; CR; CU; CZ; DE; DK; DM; DZ; EC; EE; EG; ES; FI; GB; GD;
GE; GH; GM; HR; HU; ID; IL; IN; IS; JP; KE; KG; KM; KN; KP; KR; KZ; LC; LK;
LR; LS; LT; LU; LV; MA; MD; MG; MK; MN; MW; MX; MZ; NA; NG; NI; NO; NZ;
OM; PG; PH; PL; PT; RO; RU; SC; SD; SE; SG; SK; SL; SM; SY; TJ; TM; TN; TR; TT; TZ; UA; UG; US; UZ; VC; VN; YU; ZA DESIGNATED REGIONAL: AT; BE; BG; CH
; CY; CZ; DE; DK; EE; ES; FI; FR; GB; GR; HU; IE; IS; IT; LT; LU; LV; MC;
NL; PL; PT; RO; SE; SI; SK; TR; BF; BJ; CF; CG; CI; CM; GA; GN; GQ; GW; ML;
MR; NE; SN; TD; TG; BW; GH; GM; KE; LS; MW; MZ; NA; SD; SL; SZ; TZ; UG; ZM;
ZW; AM; AZ; BY; KG; KZ; MD; RU; TJ; TM
 9/3/18
            (Item 4 from file: 399)
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DIALOG(R)File 399:CA SEARCH(R)

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DESIGNATED COUNTRIES: AE; AG; AL; AM; AT; AU; AZ; BA; BB; BG; BR; BW; BY;

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143095805
              CA: 143(6)95805z
                                  PATENT
  Vectors encoding antigen-CD40 ligand fusion proteins for generating
  immunity against cancerous and infectious diseases
  INVENTOR(AUTHOR): Diesseroth, Albert; Tang, Yucheng; Zhang, Wei-Wei;
Fang, Xiang-Ming
  LOCATION: USA
  ASSIGNEE: Sidney Kimmel Cancer Center
  PATENT: PCT International; WO 200558950 A2 DATE: 20050630
  APPLICATION: WO 2004US41690 (20041210) *US 2003PV592016 (20031211)
  PAGES: 65 pp. CODEN: PIXXD2 LANGUAGE: English
  PATENT CLASSIFICATIONS:
   CLASS: C07K-014/47A
  DESIGNATED COUNTRIES: AE; AG; AL; AM; AT; AU; AZ; BA; BB; BG; BR; BW; BY;
BZ; CA; CH; CN; CO; CR; CU; CZ; DE; DK; DM; DZ; EC; EE; EG; ES; FI; GB; GD;
GE; GH; GM; HR; HU; ID; IL; IN; IS; JP; KE; KG; KP; KR; KZ; LC; LK; LR; LS;
LT; LU; LV; MA; MD; MG; MK; MN; MW; MX; MZ; NA; NI; NO; NZ; OM; PG; PH; PL;
PT; RO; RU; SC; SD; SE; SG; SK; SL; SY; TJ; TM; TN; TR; TT; TZ; UA; UG; US;
UZ; VC; VN; YU; ZA; ZM; ZW DESIGNATED REGIONAL: BW; GH; GM; KE; LS; MW; MZ
; NA; SD; SL; SZ; TZ; UG; ZM; ZW; AM; AZ; BY; KG; KZ; MD; RU; TJ; TM; AT;
BE; BG; CH; CY; CZ; DE; DK; EE; ES; FI; FR; GB; GR; HU; IE; IS; IT; LT; LU;
MC; NL; PL; PT; RO; SE; SI; SK; TR; BF; BJ; CF; CG; CI; CM; GA; GN; GQ; GW;
ML; MR; NE; SN; TD; TG
 9/3/19
            (Item 5 from file: 399)
DIALOG(R) File 399:CA SEARCH(R)
(c) 2010 American Chemical Society. All rts. reserv.
  132320690
              CA: 132(24)320690c
                                    JOURNAL
  Readministration of adenovirus vector in nonhuman primate lungs by
  blockade of CD40-CD40 ligand interactions
  AUTHOR(S): Chirmule, Narendra; Raper, Steven E.; Burkly, Linda; Thomas,
David; Tazelaar, John; Hughes, Joseph V.; Wilson, James M.
  LOCATION: Institute for Human Gene Therapy, Department of Molecular and
Cellular Engineering, University of Pennsylvania, Philadelphia, PA, USA
  JOURNAL: J. Virol. DATE: 2000 VOLUME: 74 NUMBER: 7 PAGES: 3345-3352
  CODEN: JOVIAM ISSN: 0022-538X LANGUAGE: English PUBLISHER: American
Society for Microbiology
? t s9/7/9
          (Item 9 from file: 5)
DIALOG(R)File
               5:Biosis Previews(R)
(c) 2010 The Thomson Corporation. All rts. reserv.
         BIOSIS NO.: 200200220170
Comparing the efficiency of adenoviral gene transfer of CD40-ligand (CD154)
 versus treatment with immunostimulatory DNA-sequences as cellular
  anti-lymphoma vaccines in the murine A20 model
AUTHOR: Rieger Roman (Reprint); Kipps Thomas J (Reprint)
AUTHOR ADDRESS: School of Medicine, Division of Hematology/Oncology,
  University of California, La Jolla, CA, USA**USA
JOURNAL: Blood 98 (11 Part 1): p609a November 16, 2001 2001
MEDIUM: print
CONFERENCE/MEETING: 43rd Annual Meeting of the American Society of
Hematology, Part 1 Orlando, Florida, USA December 07-11, 2001; 20011207
SPONSOR: American Society of Hematology
ISSN: 0006-4971
DOCUMENT TYPE: Meeting; Meeting Abstract; Meeting Poster
RECORD TYPE: Abstract
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ABSTRACT: The interaction between CD40 on antigen-presenting cells like B cells and its ligand CD40L (CD154) on activated T cells plays a critical role in the initiation of immune responses, including anti-tumor immunity. This interaction induces B cells to express co-stimulatory molecules, such as CD80 (B7-1), which are necessary for efficient antigen presentation. Most B cell leukemias and lymphomas also express CD40 and are induced to express co-stimulatory molecules upon exposure to CD154-bearing cells. A20 is a BALB/c-derived B cell lymphoma line that has many features in common with human B cell neoplasms. A20 cells express B cell differentiation antigens, CD40, and high-levels of class I and class II major histocompatibility complex (MHC) antigens. Despite expression of MHC antigens required for T cell antigen presentation, A20 cells are poor antigen presenting cells (APC) and cannot stimulate significant autologous, or even allogeneic, mixed lymphocyte reactions (MLR). ***Adenovirus*** (Ad) - ***vector*** gene transfer of murine CD40-ligand (CD154) into A20 cells results in high-level expression of CD154, which ligates CD40 on both infected and non-infected bystander A20 cells. This induces A20 cells to express immune co-stimulatory molecules, such as CD80 (B7-1), that are essential for effective APC activity. Immunostimulatory DNA sequences (ISS) containing non-methylated CpG dinucleotides within a defined motif also can induce such changes in A20 cells. We examined the antigen-presenting activity of A20 cells that were infected with Ad-CD154 versus A20 cells that were treated with the optimal concentration of ISS-ODN. A20 cells could stimulate syngeneic splenocytes to secrete IFN-gamma and to proliferate in an autologous MLR when they were incubated with ISS-ODN, but not with a control ODN. Furthermore, A20 cells also could function as effective stimulator cells in the autologous MLR when transduced with Ad-CD154, but not with an Ad vector encoding an irrelevant transgene. However, Ad-CD154-infected A20 cells were significantly more effective APC than oligonucleotide-treated cells, inducing greater T cell proliferation and 10-fold higher-level production of IFN-gamma than equivalent numbers of A20 cells that had been treated with ISS-ODN. Also, splenocytes from BALB/c mice vaccinated with Ad-CD154-infected A20 cells secreted higher amounts of IFN-gamma compared to mice vaccinated with ISS-ODN-treated A20 cells, as determined by ELISA and ELISPOT assays. In this context, Ad-CD154-infected A20 cells, but not ISS-ODN-treated A20 cells or A20 cells infected with a control Ad vector, could induce protective immunity against a lethal challenge with A20 cells in BALB/c in adoptive transfer experiments. We conclude that transduction of A20 cells with Ad-CD154 is more effective in inducing protective anti-lymphoma immunity than treatment of A20 cells with ISS-ODN.

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